



SEQUENCE LISTING

<110> BOUCKAERT, Anne-Marie
JOFUKU, K. Diane

<120> METHODS OF ISOLATING AND/OR IDENTIFYING RELATED PLANT SEQUENCES

<130> 2750-1574P

<140> UNASSIGNED

<141> 2003-08-18

<150> US 09/512,882

<151> 2000-02-25

<150> US 60/121,700

<151> 1999-02-25

<160> 48

<170> PatentIn version 3.0

<210> 1

<211> 11

<212> PRT

<213> Arabidopsis and Brassica napus

<400> 1

Gly Arg Gly Lys Ile Glu Ile Lys Arg Ile Glu
1 5 10

<210> 2

<211> 33

<212> DNA

<213> Arabidopsis and Brassica napus

<400> 2

gggaggggca agaucgagau caagcgcauc gag

33

<210> 3

<211> 33

<212> DNA

<213> Maize

<400> 3

gggagaggca agaucgagau caagcgcauc gag

33

<210> 4

<211> 33

<212> DNA

<213> Oryza sativa

<400> 4

gggaggggga agaucgagau caagcggauc gag

33

<210> 5
<211> 33
<212> DNA
<213> Arabidopsis

<400> 5
gggagaggaa agaucgaaau caaacggauc gag

33

<210> 6
<211> 12
<212> PRT
<213> Arabidopsis and Brassica napus

<400> 6

Arg Ile Glu Asn Lys Ile Asn Arg Gln Val Thr Phe
1 5 10

<210> 7
<211> 36
<212> DNA
<213> Arabidopsis and Brassica napus

<400> 7
aggaucgaga acaagaucaa caagcaggug accuuc

36

<210> 8
<211> 36
<212> DNA
<213> Maize

<400> 8
cggaucgaga acaagaucaa ccggcaggug accuuc

36

<210> 9
<211> 36
<212> DNA
<213> Oryza sativa

<400> 9
aggaucgaga acaagaucaa ccggcaggug acguuc

36

<210> 10
<211> 36
<212> DNA
<213> Arabidopsis

<400> 10
aggauagaga acaagaucaa aagacaagug acauuc

36

<210> 11
 <211> 10
 <212> PRT
 <213> Arabidopsis and Brassica napus

<400> 11

Gly Arg Trp Glu Ser His Ile Trp Asp Cys
 1 5 10

<210> 12
 <211> 30
 <212> DNA
 <213> Arabidopsis and Brassica napus

<400> 12
 ggcagguggg agucccacau cugggacugc 30

<210> 13
 <211> 30
 <212> DNA
 <213> Maize

<400> 13
 ggccgcuggg aaucccacau cugggacugc 30

<210> 14
 <211> 30
 <212> DNA
 <213> Arabidopsis

<400> 14
 ggaagauggg aaucucauau uugggacugu 30

<210> 15
 <211> 6
 <212> PRT
 <213> Zea mays and Oryza sativa

<400> 15

Asp Cys Gly Leu Gln Val
 1 5

<210> 16
 <211> 21
 <212> DNA
 <213> Zea mays and Oryza sativa

<400> 16
 ggactgtggg aaacaagttt a 21

<210> 17

<211> 21
<212> DNA
<213> Zea mays and Oryza sativa

<400> 17
ggactgtggg aaacaagttt a 21

<210> 18
<211> 21
<212> DNA
<213> Zea mays and Oryza sativa

<400> 18
ggactgcggg aagcaggtgt a 21

<210> 19
<211> 7
<212> PRT
<213> Zea mays and Oryza sativa

<400> 19

Lys Tyr Arg Gly Val Thr Leu
1 5

<210> 20
<211> 23
<212> DNA
<213> Zea mays and Oryza sativa

<400> 20
aagtatagag gtgtcacttt gca 23

<210> 21
<211> 23
<212> DNA
<213> Zea mays and Oryza sativa

<400> 21
tgcaaagtga cacctctata ctt 23

<210> 22
<211> 23
<212> DNA
<213> Zea mays and Oryza sativa

<400> 22
tgcaaagtga cacctctata ctt 23

<210> 23
<211> 23
<212> DNA

<213> Zea mays and Oryza sativa

<400> 23

aagtacaggg gcgtcacctt gca

23

<210> 24

<211> 23

<212> DNA

<213> Zea mays and Oryza sativa

<400> 24

tgcaaggtga cgcccctgta ctt

23

<210> 25

<211> 23

<212> DNA

<213> Zea mays and Oryza sativa

<400> 25

tgcaaggtga cgcccctgta ctt

23

<210> 26

<211> 489

<212> DNA

<213> Avena sativa ADC Gene

<400> 26

tacctaggtg agtcaaatt cccagctcca gctcctccta attaatttcc atctgttctg 60

tgtactgaag ttattttaatt tcgtcaggtg gtttcgacac cgcgcactcg gccgcgaggt 120

tataattaat caagcttcct agtttgaact ttcaacacat actgctctct ctcgattgga 180

ttgtactagc atcatgaact gtactgaaac gggctcttgct cagggcctac gatcgcgcg 240

cgatcaagtt ccggggactg gacgccgaca tcaacttcaa tctgagcgac tacgaggagg 300

atctgaagca ggtaactgaa taagatcgct tcctcaaattg cagcatagat attatcggtg 360

tgtgtgtgtc tgatgggtgg ttggtggccg gccgggcact cttgtttttg ccagatgagg 420

aactggacca aggaggagtt cgtgcacatc ctccgccgcc agagcacggg gttcgcgagg 480

gggagctca 489

<210> 27

<211> 65

<212> PRT

<213> Avena sativa ADC PROTEIN

<400> 27

Gly Gly Phe Asp Thr Ala His Ser Ala Ala Arg Ala Tyr Asp Arg Ala

<210> 30
 <211> 477
 <212> DNA
 <213> Triticum aestivum ADC GENE

<400> 30
 cttgggtggg tttgacactg cacatgctgc tgcaaggtag gtacaaattt aattaagcac 60
 gtacgcagta cataattgtg atgtgatcat cacctgaacc acctgtactg caactctgaa 120
 gttatgtctc cactctgttc atttcaccgt gccaaattga ccttgggatg ttccgcaggg 180
 cgtacgatcg agcggcgatc aagttccgcg gcgtcgacgc cgacataaac ttcaacctca 240
 gcgactacga ggacgacatg aagcaggatg tcagcaaagc caccaaccag tgttcctcat 300
 ccaaccaaatt tattcagatg cagagtgcac tagtactgtt gttgaaactg atgaactgaa 360
 gaaattctga ctgtgtgttg kttgggtggat gatctggatc agatgaaggg cctgtccaag 420
 gaggagtctg tgcacgtgct gcggcggcag agcgccggct tctcgcgggg cagctcc 477

<210> 31
 <211> 65
 <212> PRT
 <213> Triticum aestivum ADC PROTEIN

<400> 31
 Gly Gly Phe Asp Thr Ala His Ala Ala Ala Arg Ala Tyr Asp Arg Ala
 1 5 10 15
 Ala Ile Lys Phe Arg Gly Val Asp Ala Asp Ile Asn Phe Asn Leu Ser
 20 25 30
 Asp Tyr Glu Asp Asp Met Lys Gln Val Lys Gly Leu Ser Lys Glu Glu
 35 40 45
 Phe Val His Val Leu Arg Arg Gln Ser Ala Gly Phe Ser Arg Gly Ser
 50 55 60
 Ser
 65

<210> 32
 <211> 489
 <212> DNA
 <213> Zea mays ADC GENE

<400> 32
 cttaggtgag cagcaataag cagatcgatc tgcagcataa atttcccgtt attaactagt 60
 tcgtgatctc gatcgaatgg cctaattaac cgattcgggtg atctggccga tggccaatct 120
 acgcaggtgg attcgacact gctcatgccg ctgcaaggta acgatcaatc catccatcca 180

cccttgctcta gctacccac cgaccggccg gattaatgga ccgctagttc tcgggacggg 240
 cttgctgcag ggcgtacgac cgagcggcga tcaagttccg cggcgtcgac gccgacataa 300
 acttcaacct cagcgactac gacgacgata tgaagcaggt acatacacga gtgttggtgc 360
 agctagcacc gactgaaaca tctgctgaac gtacactcat ggcctgtgca ccagatgaag 420
 agcctgtcca aggaggagtt cgtgcacgcc ctgcggcggc agagcaccgg cttctcccgt 480
 ggcagctcc 489

<210> 33
 <211> 65
 <212> PRT
 <213> Zea mays ADC PROTEIN

<400> 33

Gly Gly Phe Asp Thr Ala His Ala Ala Ala Arg Ala Tyr Asp Arg Ala
 1 5 10 15
 Ala Ile Lys Phe Arg Gly Val Asp Ala Asp Ile Asn Phe Asn Leu Ser
 20 25 30
 Asp Tyr Asp Asp Asp Met Lys Gln Val Lys Ser Leu Ser Lys Glu Glu
 35 40 45
 Phe Val His Ala Leu Arg Arg Gln Ser Thr Gly Phe Ser Arg Gly Ser
 50 55 60

Ser
 65

<210> 34
 <211> 6
 <212> PRT
 <213> Zea mays, Avena sativa and Triticum aestivum

<400> 34

Asp Cys Gly Leu Gln Val
 1 5

<210> 35
 <211> 21
 <212> DNA
 <213> Zea mays, Avena sativa and Triticum aestivum

<400> 35

ggactgtggg aaacaagttt a

21

<210> 36
 <211> 21
 <212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 36

ggactgtggg aaacaagttt a

21

<210> 37

<211> 21

<212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 37

ggactgcggg aagcaggtgt a

21

<210> 38

<211> 7

<212> PRT

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 38

Lys Tyr Arg Gly Val Thr Leu

1

5

<210> 39

<211> 23

<212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 39

aagtatagag gtgtcacttt gca

23

<210> 40

<211> 23

<212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 40

tgcaaagtga cacctctata ctt

23

<210> 41

<211> 23

<212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 41

tgcaaagtga cacctctata ctt

23

<210> 42

<211> 23

<212> DNA

<213> Zea mays, Avena sativa and Triticum aestivum

<400> 42	
aagtacaggg gcgtcacctt gca	23
<210> 43	
<211> 23	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 43	
tgcaaggtga cgcccctgta ctt	23
<210> 44	
<211> 23	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 44	
tgcaaggtga cgcccctgta ctt	23
<210> 45	
<211> 18	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 45	
gcaaggtgac gcccctgt	18
<210> 46	
<211> 17	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 46	
ggtgacgccc ctgtact	17
<210> 47	
<211> 16	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 47	
gtgacgcccc tgtact	16
<210> 48	
<211> 13	
<212> DNA	
<213> Zea mays, Avena sativa and Triticum aestivum	
<400> 48	
gtgacgcccc tgt	13